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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/790,611

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Eran Reshef

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EXAMINER

PATEL, NIRAV B

ART UNIT

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/790,611	<b>Applicant(s)</b> RESHEF ET AL.	
	<b>Examiner</b> NIRAV PATEL	<b>Art Unit</b> 2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 February 2008 (Amendment).
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 33-64 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 33-64 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. Applicant's amendment filed on Feb. 08, 2008 has been entered. Claims 33-64 are pending. Claims 33, 59 and 64 are amended by the applicant.

### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 33-48, 51, 52, 59, 63 and 64 are rejected under 35 U.S.C. 102(b) as being anticipated by Davies (WO 93/11511).

As per claim 33, Davis discloses:

presenting a human ability challenge having a response component, the human ability challenge having distorted content that reduces the possibility of automated computerized identification of the content [Fig. 2, 3, 5, 7, page 2 lines 24-28, page 8 lines 1-12]; receiving a response to the human ability challenge [page 4 lines 6-10, Fig. 2, 3, 5, page 8 lines 14-17, 28-36]; and comparing the received response to the response component to thereby help determine whether the received response was provided by a human [page 5 lines 10-19, page 8 lines 14-17].

As per claim 34, the rejection of claim 33 is incorporated and Davis discloses: generating the human ability challenge [Fig. 2, 3, 5, 7, page 5 lines 10-19].

As per claim 35, the rejection of claim 34 is incorporated and Davis discloses: generating the human ability challenge comprises generating the response component and generating the human ability challenge using the response component [Fig. 2, 3, 5, 7].

As per claim 36, the rejection of claim 35 is incorporated and Davis discloses: generating the response component comprises randomly generating the response component [page 8 lines 5-7].

As per claim 37, the rejection of claim 35 is incorporated and Davis discloses: generating the human ability challenge comprises creating a distorted visual representation of the response component [Fig. 2, 3, 5, 7].

As per claim 38, the rejection of claim 35 is incorporated and Davis discloses: generating the human ability challenge comprises creating a distorted audio representation of the response component [page 3 lines 19-21].

As per claim 39, the rejection of claim 35 is incorporated and Davis discloses:

selecting a type of human ability challenge from a plurality of human ability challenge types [page 3 lines 19-21].

As per claim 40, the rejection of claim 39 is incorporated and Davis discloses: selecting the type of human ability challenge comprises randomly selecting the type of human ability challenge [page 3 lines 14-21].

As per claim 41, the rejection of claim 39 is incorporated and Davis discloses: determining the respondent's identity, and wherein the step of selecting the type of human [page 4 lines 6-12].

As per claim 42, the rejection of claim 39 is incorporated and Davis discloses: generating the response component based upon the type of human ability challenge selected [page 3 lines 9-11, 26-36, page 4 lines 1-4].

As per claim 43, the rejection of claim 39 is incorporated and Davis discloses: selecting the human ability challenge from a plurality of stored human ability challenges [page 9 lines 1-12].

As per claim 44, the rejection of claim 43 is incorporated and Davis discloses: selecting comprises randomly selecting the human ability challenge [page 9 lines 1-12].

As per claim 45, the rejection of claim 33 is incorporated and Davis discloses: providing a request for authentication for gaining access to a computerized resource, receiving an authentication code, and verifying the code responsive to the request for authentication if the received response to the human ability challenge matches the response component [page 16 lines 15-18].

As per claim 46, the rejection of claim 33 is incorporated and Davis discloses: receiving a request for access to a computerized resource and providing access to the resource only if the received response to the human ability challenge matches the response component [page 8 lines 1-17].

As per claim 47, the rejection of claim 33 is incorporated and Davis discloses: requesting user confirmation of an action and accepting user confirmation only if the received response to the human ability challenge matches the response component [page 8 lines 1-26].

As per claim 48, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting one or more graphical images representing the response component [page 3 lines 14-18].

As per claim 51, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting a noisy textual image displaying the response component [page 15 lines 36, Fig. 7].

As per claim 52, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting a natural language question, wherein the response component represents an answer to the natural language question [page 3 lines 14-24].

Art Unit: 2135

As per claim 59, it encompasses limitations that are similar to limitations of claim 1. Thus, it is rejected with the same rationale applied against claim 1 above.

As per claim 63, the rejection of claim 59 is incorporated and Davis discloses:

the first, second and third sets of computer program instructions reside on a single computer [Fig.1].

As per claim 64, it encompasses limitations that are similar to limitations of claim 1. Thus, it is rejected with the same rationale applied against claim 1 above.

### **Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 49, 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies (WO 93/11511) and in view of Yamamoto (US Patent No. 5,928,364).

As per claim 49, the rejection of claim 33 is incorporated and Davis discloses displaying/presenting the human ability challenge as shown in Figs. 2, 3, 5, 7. Davis doesn't expressively mention presenting a cognitive question regarding the plurality of graphical images.

Yamamoto teaches:

the step of presenting a human ability challenge comprises presenting a plurality of graphical images representing identifiable objects and presenting a cognitive question regarding the plurality of graphical images, wherein the response component represents an answer to the question [Fig. 8A, 8B, col. 5 lines 25-60].

Art Unit: 2135

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine Yamamoto with Davies, since one would have been motivated to prevent others from seeing the secret data easily, password data difficult for others to understand [Yamamoto, col. 1 lines 19-20].

As per claim 50, the rejection of claim 33 is incorporated and Davis discloses presenting a human ability challenge comprises presenting an audio file (i.e. audio image (voice) [page 3 lines 15-24].

Yamamoto teaches: the step of presenting a question, wherein the response component represents an answer to the question [Fig. 8A, 8B, col. 5 lines 25-60].

4. Claims 53-55, 57, 58, 60-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies (WO 93/11511) and in view of Jalili (US Patent No. 6,209,104).

As per claim 53, the rejection of claim 33 is incorporated and Davis discloses presenting a human ability challenge as shown in Fig. 2, 3, 7.

Jalili teaches the transmitting the human ability challenge from a server to a client [Fig. 9].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine Jalili with Davies, since one would have been motivated to provide secure data entry function for authentication system [Jalili, col. 1 lines 12-13].

As per claims 54 and 57, the rejection of claim 53 is incorporated and Davis discloses presenting a human ability challenge as shown in Fig. 2, 3, 7.

Jalili teaches the transmitting the human ability challenge with the encrypted/hashed response component [Fig. 9, col. 2 lines 7-17].

As per claims 55 and 58, the rejection of claim 54/57 is incorporated and Jalili teaches decrypting/hashing the encrypted response component and comparing the decrypted/hashed response component to the received response [Fig. 9, col. 2 lines 7-17, Fig. 8].

As per claim 56, the rejection of claim 33 is incorporated and Jalili teaches: receiving a response to the human ability challenge comprise transmitting the response from the client to the server [Fig. 9].

As per claim 60, the rejection of claim 59 is incorporated and it encompasses limitations that are similar to limitations of claim 53. Thus, it is rejected with the same rationale applied against claim 53 above.

As per claim 61, the rejection of claim 60 is incorporated and Jalili teaches: the server comprises a proxy server positioned between an application server and the client [Fig. 9].

As per claim 62, the rejection of claim 60 is incorporated and Jalili teaches: the server comprises an application server [Fig. 9].

### **Response to Argument**

5. Applicant's arguments filed February 08, 2008 have been fully considered but they are not persuasive.

Regarding to the applicant's argument that "Davis does not identically disclose (or teach or suggest) the claimed human ability challenge having distorted content that *reduces the possibility of automated computerized identification*", Examiner disagrees with the applicant since, Davis teaches generating a complex image which is included in a set of similar but no identical images. The complex image is distinguishable from the other images in the set, by the human senses of a person familiar with the image. The complex image is considered to be an image that is recognizable if already known but not readily



capable of unique description to a person to whom it is not known. The complex image that links to the authorized user is referred to as a key image for that user. Complex images that do not links with that authorized user are referred to as false images. As shown in Fig. 7, various false images (i.e. distorted content) are included with the key images (i.e. human ability challenge having distorted content). User is able to *identify the or each key image* with which his personal identity statement is linked. This is achieved by displaying the key images together with false images on a display screen and *requiring the user to enter each time an image statement to select the key image*. Thus, it reduces the *possibility of automated computerized identification* of the content (because user selects/identifies the key image from the presented images) and therefore, it meets the claim limitation "presenting a human ability challenge having a response component, the human ability challenge having distorted content that reduces the possibility of automated computerized identification of the content".

For the above reasons, it is believed that the rejections should be sustained.

### Conclusion

6. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2135

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nirav Patel whose telephone number is 571-272-5936. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax and phone numbers for the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

***NBP***

***4/18/08***

/KIMYEN VU/

Supervisory Patent Examiner, Art Unit 2135